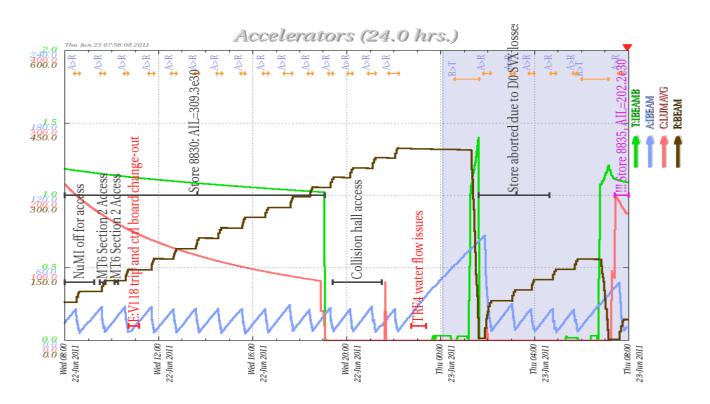
2011-06-23 Thursday Morning Notes

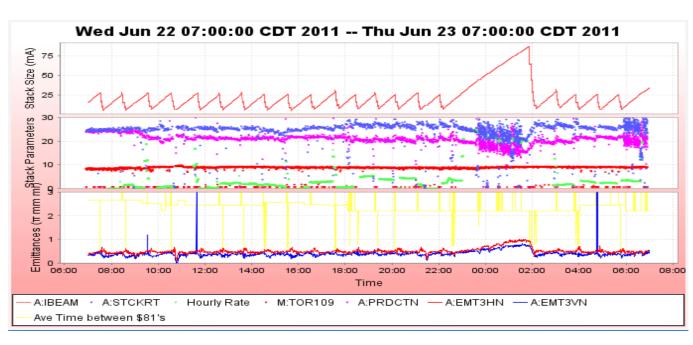
Thursday, June 23, 2011 7:52 AM

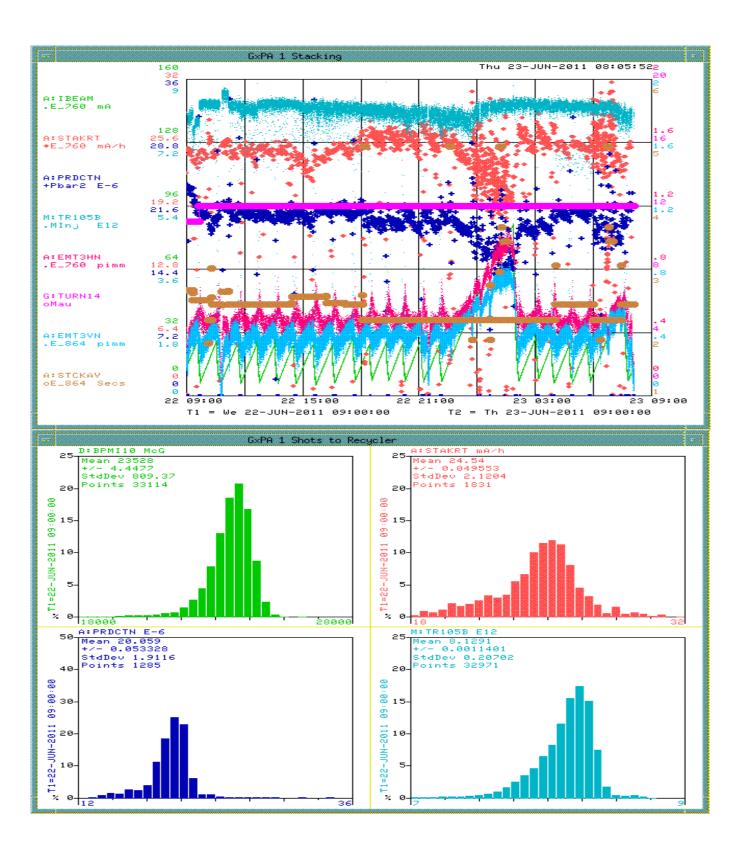
Numbers

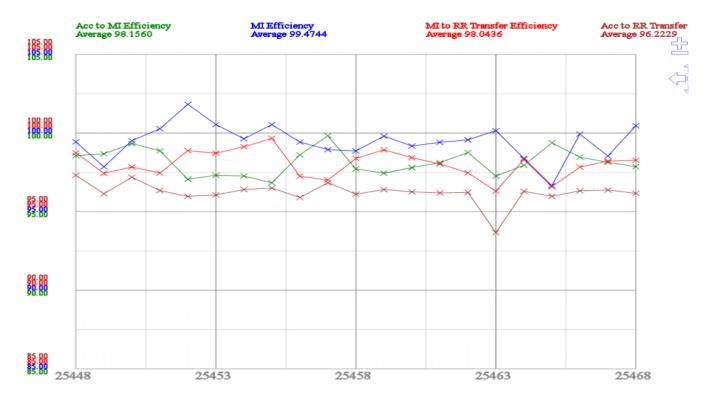
- Stacking
 - Pbars stacked: 568.50 E10Time stacking: 23.76 Hr
 - o Average stacking rate: 23.93 E10/Hr
- Uptime
 - o Number of pulses while in stacking mode: 35586
 - o Number of pulses with beam: 34432
 - o Fraction of up pulses was: 96.76%
- The uptime's effect on the stacking numbers
 - o Corrected time stacking: 22.99 Hr
 - o Possible average stacking rate: 24.73 E10/Hr
 - o Could have stacked: 587.55 E10/Hr
- Recycler Transfers
 - o Pbars sent to the Recycler: 553.86 E10
 - Number of transfers: 66Number of transfer sets: 21
 - o Average Number of transfer per set: 3.14
 - o Time taken to shoot including reverse proton tuneup: 00.23 Hr
 - o Transfer efficiency: 95.71%
- Other Info
 - o Average POT: 8.11 E12
 - o Average production: 20.37 pbars/E6 protons

Plots









Column 1 Number _0_Pbar Transfer Shot #	Column 4 Number_3_Transfer Tii	me	21 Number _20_A:l BEAMB sampled on \$91 (A:BEA	22 Number _21_A:I BEAMB sampled on \$94	(mA)	23 Number _22_R:B EAMS	EAM (R:BEA		Ace to RR Eff	Acc to MI Eff		Ace to MI * Ace to MI2 Efficiency	Tran sfers		5	_5_Acc Vertical Emittan	Column 8 Number _7_Acc Longitu dinal Emittan ce
	Totals =>	•			538.69			515.87	95.76%	97.92%	97.54%	95.51%	64	20	4.8313	3.567	2.0241
	Daily Average =>				538.69			515.87					64	20			
25468	Thursday, June 23, 2011	7:36	48.07	8.16	43.58	1.67	43.21	41.82	95.95%	97.71%	97.82%	95.58%	4	1	5.109	3,843	1.982
25467	Thursday, June 23, 2011	5:41	26.25	6.96	21.87	147.08	168.15	21.12	96.57%	98.62%	97.43%	96.09%	3	1	4.777	3,373	2.027
25466	Thursday, June 23, 2011	4:46	26.45	6.60	22.45	125.84	147.30	21.61	96.28%	98.51%	98.00%	96.54%	3	1	4.546	3,393	2.05
25465	Thursday, June 23, 2011	3:51	26.25	6.65	22.22	104.71	126.01	21.39	96.29%	99.22%	96.45%	95.70%	3	1	4.905	3.66	2.034
25464	Thursday, June 23, 2011	3:02	30.27	8.61	24.31	81.62	104.89	23.40	96.24%	98.03%	97.17%	95.26%	3	1	4.991	3,937	2.035
25463	Thursday, June 23, 2011	1:52	87.12	7.54	84.65	4.53	81.99	78.38	92.60%	96.34%	96.48%	92.95%	6	1	6.216	4.544	1.945
25462	Wednesday, June 22, 2011	22:03	26.44	7.09	21.82	377.45	398.10	21.03	96.36%	98.28%	98.07%	96.38%	_	1	4.672	3,364	2.032
25461	Wednesday, June 22, 2011	21:06	28.16	7.07	23.78	356.17	378.77	22.95	96.53%	98.25%	98.23%	96.51%	3	1	4.575	2.877	1.996
25460	Wednesday, June 22, 2011	20:09	26.22	7.24	21.60	337.02	357.52	20.82	96.37%	98.00%	97.18%	95.24%	3	1	4.723	3,63	2.035
25459	Wednesday, June 22, 2011	19:18	27.29	7.53	22.33	316.56	337.87	21.57	96.57%	97.68%	97.94%	95.66%	3	1	4.823	3.754	2.081
25458	Wednesday, June 22, 2011	18:26	25.94	7.58	21.02	297.30	317.32	20.22	96.18%	97.75%	96.75%	94.57%	3	1	4.742	3,603	2.04
25457	Wednesday, June 22, 2011	17:35	29.77	7.91	24.47	274.61	297.99	23.68	96.78%	99.65%	98.49%	98.15%	3	1	4.755	3.471	2.031
25456	Wednesday, June 22, 2011	16:32	26.16		22.11	254.25	275.31	21.21	95.96%	98.40%	97.93%	96.36%		1	4.824	3.784	2.053
25455	Wednesday, June 22, 2011	15:33	26.49	5.60	23.37	232.51	254.84	22.54	96.44%	97.13%	98.04%	95.23%	3	1	4.947	3,598	2.01
25454	Wednesday, June 22, 2011	14:32	26.39			211.39	232.99	21.78	96.56%	97.06%	97.20%	94.34%	_	1	4.74	3,337	2.017
25453	Wednesday, June 22, 2011	13:35	26.84	6.40	22.96	189.79	211.78	22.10	96.26%	97.27%	97.77%	95.10%	3	1	4.759	3,504	2.031
25452	Wednesday, June 22, 2011	12:38	26.29		22.38	168.78	190.12	21.50	96.04%	97.44%	98.20%	95.68%	_	1	4.709	3.32	2.035
25451	Wednesday, June 22, 2011	11:41	27.66		23.73	146.30	169.03	22.89	96.46%	99.22%	98.81%	98.04%	_	1	4.459	3,442	2.023
25450	Wednesday, June 22, 2011	10:34	28.22	6.99		123.65	146.54	23.04	97.18%	99.27%	98.60%	97.89%	_	1	4.786	3,487	2.005
25449	Wednesday, June 22, 2011	9:35	28.04	6.66	23.76	101.16	123.86	22.81	96.01%	98.96%	96.57%	95.56%	3	1	4.567	3.419	2.02

Column 1 Number _0_Pbar Transfer Shot #	Column 4 Number_3_Transfer Tin		21 Number _20_A:I BEAMB sampled on \$91 (A:BEA		(mA)	23 Number _22_R:B EAMS (R:BEA ME0[0]) pre #fer	Column 24 Number _23_R:B EAM (R:BEA ME0[1]) post xfer, E10		Ace to RR Eff	Acc to MI Eff	Acc to MI2 Eff	Acc to MI * Acc to MI2 Efficiency	Tran sfers	Sets	Column 5 Number_ 4_Acc Horizont al Emittanc e	6 Number _5_Acc Yertical Emittan	Column 8 Number _7_Acc Longitu dinal Emittan ce
	Totals =>				410.46			395.67	96.40%	98.27%	97.72%	96.04%	54	18	4.7389	3.4974	2.0308
	Daily Average =>				410.46			395.67					54	18			
									,	<u> </u>	,	<u> </u>					
25467	Thursday, June 23, 2011	5:41	26.25	6.96	21.87	147.08	168.15	21.12	96.57%	98.62%	97.43%	96.09%	3	1	4.777	3.373	2.027
25466	Thursday, June 23, 2011	4:46	26.45	6.60	22.45	125.84	147.30	21.61	96.28%	98.51%	98.00%	96.54%	3	1	4.546	3.393	_
25465	Thursday, June 23, 2011	3:51	26.25	6.65	22.22	104.71	126.01	21.39	96.29%	99.22%	96.45%	95.70%	3	1	4.905	3,66	2.034
25464	Thursday, June 23, 2011	3:02	30.27	8.61	24.31	81.62	104.89	23.40	96.24%	98.03%	97.17%	95.26%	3	1	4.991	3,937	2.035
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25460	Wednesday, June 22, 2011	20:09	26.22	7.24	21.60	337.02	357.52	20.82	96.37%	98.00%	97.18%	95.24%	3	1	4.723	3,63	2.035
25459	Wednesday, June 22, 2011	19:18	27.29	7.53	22.33	316.56	337.87	21.57	96.57%	97.68%	97.94%	95.66%	3	1	4.823	3,754	2.081
25458	Wednesday, June 22, 2011	18:26	25.94	7.58		297.30	317.32	20.22	96.18%	97.75%	96.75%	94.57%	3	1	4.742	3,603	2.04
25457	Wednesday, June 22, 2011	17:35	29.77	7.91	24.47	274.61	297.99	23.68	96.78%	99.65%	98.49%	98.15%	3	1	4.755	3,471	2.031
25456	Wednesday, June 22, 2011	16:32	26.16	6.64	22.11	254.25	275.31	21.21	95.96%	98.40%	97.93%	96.36%	3	1	4.824	3.784	2.053
25455	Wednesday, June 22, 2011	15:33	26.49		23.37	232.51	254.84	22.54	96.44%	97.13%	98.04%	95.23%	3	1	4.947	3,598	2.01
25454	Wednesday, June 22, 2011	14:32	26.39	6.29	22.56	211.39	232.99	21.78	96.56%	97.06%	97.20%	94.34%	3	1	4.74	3.337	2.017
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25452	Wednesday, June 22, 2011	12:38	26.29	_	22.38	168.78	190.12	21.50	96.04%	97.44%	98.20%	95.68%	3	1	4.709	3.32	
25451	Wednesday, June 22, 2011	11:41	27.66		23.73	146.30	169.03	22.89	96.46%	99.22%	98.81%	98.04%	3	1	4.459	3,442	
25450	Wednesday, June 22, 2011	10:34	28.22	6.99	23.71	123.65	146.54	23.04	97.18%	99.27%	98.60%	97.89%	3	1	4.786	3,487	2.005
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